

MUD LAKE-LOST RIVER BASINS

13120500 BIG LOST RIVER AT HOWELL RANCH NEAR CHILLY, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to September 1984, April 1993 to September 1996 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1993, June to September, 1996 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 17.3 °C Aug. 10, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 17.3 °C Aug. 10.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT UM-MF (COLS./ 100 ML) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JUN 03...	1053	1160	125	8.0	17.5	6.0	3.5	10.2	103	26	39
17...	1315	2000	94	7.9	19.0	7.5	16	11.1	119	26	40
JUL 15...	1308	563	130	8.2	22.5	10.5	0.7	9.3	107	K5	K16
AUG 19...	1330	1480	183	8.1	25.0	10.0	0.3	8.6	97	K4	K7
SEP 16...	1215	154	195	8.1	6.0	6.5	1.3	9.5	99	K21	41
DATE	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER WH FET FIELD HCO3 (00440)	CAR- BONATE WATER WH FET FIELD CO3 (00445)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CACO3 (00410)		
SEP 16...	91	27	5.8	3.3	7	0.90	100	0	83		
DATE	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)			
SEP 16...	14	1.3	0.2	9.5	111	112	0.15	46.2			
DATE	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)			
JUN 03...	<0.01	<0.05	<0.015	<0.2	<0.01	0.01	136	426			
17...	<0.01	0.08	0.030	<0.2	0.06	0.02	198	1070			
JUL 15...	<0.01	0.07	0.030	<0.2	0.01	0.01	12	18			
AUG 19...	<0.01	<0.05	<0.015	<0.2	0.01	<0.01	1	4.0			
SEP 16...	<0.01	<0.05	<0.015	<0.2	<0.01	0.01	2	0.83			

K Results based on counts outside ideal colony range.

MUD LAKE-LOST RIVER BASINS

13120500 BIG LOST RIVER AT HOWELL RANCH, NEAR CHILLY, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	15.7	7.9	11.6	17.0	9.9	13.6	14.2	7.2	11.2
2	---	---	---	14.6	8.5	11.6	15.6	10.0	13.2	14.0	7.4	11.0
3	---	---	---	14.0	8.0	11.0	13.7	9.7	11.0	12.8	7.9	10.7
4	---	---	---	15.7	8.6	11.9	13.4	6.6	10.2	13.7	7.7	11.0
5	---	---	---	14.9	8.0	11.4	14.8	8.6	11.7	12.8	8.8	10.9
6	---	---	---	14.8	7.2	11.0	15.1	8.3	11.8	11.5	5.2	8.7
7	---	---	---	15.7	8.3	12.0	16.4	8.5	12.6	11.8	5.2	8.9
8	---	---	---	14.8	8.9	12.1	17.0	9.4	13.4	13.4	6.6	10.3
9	---	---	---	14.5	8.9	11.8	16.8	9.9	13.6	14.3	7.7	11.3
10	---	---	---	16.2	8.8	12.4	17.3	9.4	13.5	12.9	7.7	10.9
11	---	---	---	16.0	8.6	12.3	17.0	10.1	13.9	13.1	9.9	11.4
12	---	---	---	16.2	9.6	12.9	16.7	10.6	13.9	13.2	7.7	10.6
13	---	---	---	16.7	9.2	12.6	15.9	11.5	13.9	14.5	9.4	11.8
14	---	---	---	---	---	---	17.0	11.2	14.1	12.0	8.8	10.2
15	---	---	---	13.7	10.1	12.2	16.2	10.6	13.7	9.9	6.2	8.0
16	---	---	---	13.2	9.1	11.3	17.1	10.3	13.7	---	---	---
17	---	---	---	16.4	9.2	12.3	16.4	10.4	13.5	---	---	---
18	10.9	4.8	7.8	15.7	10.1	13.1	14.0	9.6	11.9	---	---	---
19	10.9	3.7	7.2	14.9	8.0	11.7	14.0	5.2	9.9	---	---	---
20	10.8	5.2	8.2	14.9	7.4	11.3	14.3	8.0	11.4	---	---	---
21	10.6	5.5	8.2	16.4	8.5	12.5	14.9	8.0	11.7	---	---	---
22	10.3	7.1	8.9	17.0	9.4	13.4	15.4	8.0	12.0	---	---	---
23	11.1	5.7	8.3	17.1	10.0	13.8	15.9	8.3	12.4	---	---	---
24	10.2	7.4	8.6	16.5	9.7	13.3	16.0	8.9	12.7	---	---	---
25	12.3	6.2	8.9	16.0	10.1	13.3	14.8	9.2	12.2	---	---	---
26	10.6	7.1	9.0	15.4	9.6	12.5	13.4	8.8	11.4	---	---	---
27	12.3	6.8	9.5	15.7	9.7	12.8	14.6	10.8	12.6	---	---	---
28	10.6	6.3	8.4	15.1	10.4	13.0	13.7	8.8	11.6	---	---	---
29	13.5	6.0	9.6	14.2	11.2	12.6	15.6	8.5	12.1	---	---	---
30	14.6	7.4	11.1	16.5	10.1	13.3	15.4	9.4	12.7	---	---	---
31	---	---	---	16.7	10.3	13.2	15.6	9.1	12.6	---	---	---
MONTH	---	---	---	---	---	---	17.3	5.2	12.5	---	---	---

MUD LAKE-LOST RIVER BASINS

13120500 BIG LOST RIVER AT HOWELL RANCH NEAR CHILLY, ID--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to September 1984, April 1993 to September 1996,
May 1999 to September 1999 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: June to September 1993, June 18 to September 15, 1996, May to September 1999 (discontinued).

INSTRUMENTATION.--Temperature recording data logger.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum. 17.3 °C Aug. 10, 1996.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 17.2 °C Aug. 26.

WATER-QUALITY DATA, MAY TO SEPTEMBER 1999

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (MG/L) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
MAY 27...	1452	1860	106	8.2	21.5	6.5	55	11.1	115	46	K22
JUN 24...	1240	1770	97	8.3	22.5	7.0	9.5	10.2	108	74	K16
AUG 06...	1120	359	148	8.3	19.3	10.5	--	9.5	109	110	86
SEP 22...	1155	120	194	8.3	19.9	8.0	.50	10.2	109	K3	K9
OCT 07...	1340	123	195	8.3	13.3	6.3	.50	9.8	101	K2	<1
DATE		HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	ANC UNFLTRD CARB FET FIELD MG/L AS CO3 (00445)		
SEP 22...		89	26	5.7	3.6	8	.79	100	0		
DATE		ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L AS FT) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)		
SEP 22...		86	12	1.6	.19	10	112	.15	36.4		
DATE		NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)		
MAY 27...		<.010	.086	.030	.90	.250	.018	132	663		
JUN 24...		<.010	.073	<.020	.17	.106	.013	102	487		
AUG 06...		<.010	<.050	<.020	.16	<.050	.017	5	4.8		
SEP 22...		<.010	<.050	<.020	<.10	<.050	<.010	1	.32		
OCT 07...		<.010	<.050	<.020	E.08	<.050	<.010	1	.33		

E Positive detection but below stated detection limits.
K Results based on counts outside ideal colony range.

MUD LAKE-LOST RIVER BASINS

13120500 BIG LOST RIVER AT HOWELL RANCH NEAR CHILLY, ID--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN
APRIL			MAY			
1	---	---	---	---	---	---
2	---	---	---	---	---	---
3	---	---	---	---	---	---
4	---	---	---	---	---	---
5	---	---	---	---	---	---
6	---	---	---	---	---	---
7	---	---	---	---	---	---
8	---	---	---	---	---	---
9	---	---	---	---	---	---
10	---	---	---	---	---	---
11	---	---	---	---	---	---
12	---	---	---	---	---	---
13	---	---	---	---	---	---
14	---	---	---	---	---	---
15	---	---	---	---	---	---
16	---	---	---	---	---	---
17	---	---	---	---	---	---
18	---	---	---	---	---	---
19	---	---	---	---	---	---
20	---	---	---	---	---	---
21	---	---	---	---	---	---
22	---	---	---	---	---	---
23	---	---	---	---	---	---
24	---	---	---	---	---	---
25	---	---	---	---	---	---
26	---	---	---	---	---	---
27	---	---	---	---	---	---
28	---	---	---	10.3	4.0	7.1
29	---	---	---	7.6	4.9	6.0
30	---	---	---	5.7	4.1	5.0
31	---	---	---	8.3	3.3	5.7
MONTH	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	10.0	4.3	6.9	13.3	6.2	9.6	14.0	9.4	11.9	10.6	7.4	9.0
2	8.5	5.2	6.3	12.0	5.8	9.0	16.1	10.0	13.2	11.7	6.3	8.8
3	8.9	4.3	6.4	12.8	6.8	9.7	15.1	10.8	13.0	9.9	6.9	8.2
4	9.6	3.5	6.6	12.7	7.6	10.0	14.5	10.8	12.7	12.2	5.1	8.6
5	9.4	5.4	7.6	13.1	5.8	9.4	15.1	10.6	12.8	13.1	6.8	10.2
6	8.2	4.3	6.2	15.0	6.8	10.8	14.8	10.5	12.9	13.3	7.9	10.7
7	8.8	3.5	6.0	14.5	8.9	11.6	15.1	10.6	13.0	12.0	5.8	9.3
8	8.9	4.8	6.9	13.7	6.3	9.9	16.1	9.1	12.6	12.7	6.0	9.6
9	8.3	3.0	5.8	14.5	7.2	10.9	16.1	9.1	12.8	12.0	6.8	9.9
10	10.8	3.8	7.3	15.0	7.9	11.3	13.9	9.1	11.4	11.6	7.7	9.8
11	11.1	4.9	8.0	15.5	8.0	11.6	14.5	9.2	11.7	11.9	5.7	9.1
12	11.3	5.5	8.6	16.1	8.5	12.1	13.4	9.4	11.6	12.0	5.5	9.1
13	10.3	5.5	8.1	16.2	8.8	12.4	14.2	8.8	11.5	12.7	6.2	9.7
14	11.7	5.5	8.4	13.9	8.9	11.4	14.2	8.0	11.3	13.1	6.8	10.2
15	10.3	5.5	7.9	14.2	7.2	10.7	15.1	8.8	12.0	13.3	6.9	10.4
16	10.5	5.4	7.8	14.7	7.2	11.1	15.3	8.0	11.8	12.8	6.9	10.3
17	10.6	5.5	7.9	15.0	8.0	11.6	15.9	8.8	12.5	11.1	7.1	9.4
18	12.2	5.1	8.3	15.1	8.0	11.7	14.5	9.1	12.3	11.4	6.6	9.2
19	12.0	5.7	8.5	14.4	8.8	11.8	16.6	11.6	14.1	12.5	7.1	10.0
20	12.8	5.2	8.7	15.8	9.2	12.4	15.3	10.3	13.1	12.3	6.2	9.5
21	10.3	6.2	8.3	15.8	8.8	12.3	15.6	11.6	13.7	12.8	6.8	10.1
22	12.0	5.2	8.4	15.8	8.5	12.2	16.9	9.7	13.2	12.5	7.1	10.2
23	13.0	5.4	8.9	16.2	8.6	12.5	15.6	10.8	13.3	12.3	7.1	9.9
24	13.0	6.2	9.3	15.1	9.1	12.3	17.0	11.7	14.3	12.8	7.9	10.3
25	11.7	6.5	9.0	15.8	8.3	12.0	16.9	10.2	13.8	12.0	7.4	9.7
26	11.4	4.3	7.8	16.2	8.8	12.6	17.2	10.5	14.0	8.9	4.1	6.7
27	11.7	5.2	8.4	16.6	9.1	12.9	15.0	10.5	13.0	6.6	3.3	5.3
28	11.7	5.7	8.8	15.0	10.3	12.4	14.2	12.2	13.2	6.8	1.1	4.4
29	12.0	6.6	9.2	14.4	10.0	12.3	16.1	9.4	12.7	8.3	2.4	5.6
30	12.2	7.2	9.6	16.4	9.9	12.9	13.9	9.9	12.3	10.2	4.1	7.3
31	---	---	---	15.8	9.4	12.7	13.1	8.8	11.3	---	---	---
MONTH	13.0	3.0	7.9	16.6	5.8	11.5	17.2	8.0	12.7	13.3	1.1	9.0